

**Molecular Nanoscience Workshop:
A Symposium in Honor of Daniel Chemla's 65th Birthday**

Building 66 Auditorium, Monday, November 21, 2005

8:15-9:00	Continental breakfast	
9:00-9:20	Welcome on behalf of the Organizing Committee and Ceremonial	Steven Chu, Paul Alivisatos, Joseph Zyss, and Charles Shank
9:20-9:40	A surprise video presentation	Joseph Zyss
9:40-10:00	A Revival of Molecular Nonlinear Optics at the Frontiers of Nanoscience and Coherent Control	Joseph Zyss <i>introduced by Shimon Weiss</i>
10:00-10:20	Photosynthetic Complexes: Nature's Nano Devices	Graham Fleming <i>introduced by Paul Alivisatos</i>
10:20-10:40	Slicing Chemla's Synchrotron	Charles V. Shank <i>introduced by Pier Oddone</i>
10:40-11:00	Group Photo / Coffee break	
11:00-11:20	A Tribute to Daniel Chemla: Announcing the Engagement of MRI and Optics	Alex Pines <i>introduced by Zahid Hussain</i>
11:20-11:40	Chiral Nonlinear Optical Spectroscopy	Ron Shen <i>introduced by Robert Kaindl</i>
11:40-12:00	Quantum Well Modulators Revisited	David Miller <i>introduced by Joseph Zyss</i>
12:00-1:00	Lunch	
1:00-1:20	Restoring Lost Coherence of a Localized Electron Spin	Lu Sham <i>introduced by Dung-Hai Lee</i>
1:20-1:40	Coherent Femtosecond Multidimensional Spectroscopy of Vibrational Excitons in Proteins	Shaul Mukamel <i>introduced by Shimon Weiss</i>
1:40-2:00	Magnetization Dynamics of Correlated Spin Systems	Jean-Yves Bigot <i>introduced by Joseph Zyss</i>
2:00-2:20	Time resolved laser spectroscopy and imaging for biomedical diagnostics	Mary-Ann Mycek <i>introduced by Robert Kaindl</i>
2:20-2:40	SQUID-Based Microtesla Magnetic Resonance Imaging: A New Clinical Technique?	John Clarke <i>introduced by Zahid Hussain</i>
2:40-3:00	Coffee break	
3:00-3:20	Daniel: The Bell Labs Years	Jag Shah <i>introduced by Joseph Zyss</i>
3:20-4:10	Five 10-minute presentations 1) Quest of the Ring - Leonid Butov 2) From Excitons in GaAs to Single Enzymes in Water - Taekjip Ha 3) Terahertz tools: watching charge pairs break and form - Robert Kaindl 4) The Art of Confinement - Learning the Extra Dimensions of Excitons and Beyond in Reduced Dimensions - Chih-wei Lai 5) Daniel and the ALS - Yves Petroff	
5:30-6:30	Reception at UC Faculty Club (by invitation only)	
6:30-9:00	Dinner (by invitation only)	Master of Ceremony : Wayne Knox